

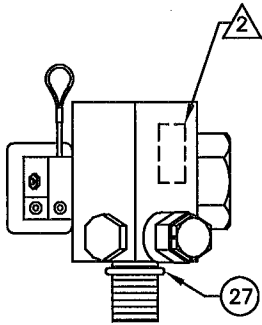
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

REVISIONS

REV	DESCRIPTION	DATE	BY	APPROVED
A	INCORPORATED ECR 00293	08-11-99	D. HITZFIELD	
B	INCORPORATED ECR 00337	10-09-00	D. HITZFIELD	
C	INCORPORATED ECR 00631	09-23-04	S. JOSEPH	
D	INCORPORATED ECR 01559	08-27-06	P. BRAVO	
E	INCORPORATED ECNS 01852, 01748, 04107, 08277	07-02-19	P. BRAVO	

QTY	FIND No.	PART No.	DESCRIPTION	MAT'L	SPEC
2	3	3	2	2	2
42	600.0727	SOCKET SCREW			
41	601.1671	OUTLET ORIFICE			
40	601.0772	GUAGE ADAPTER	A-51869-S		
39	601.0761	SAFETY PIN	REV NC		
38	600.0820	LABEL			
37	601.1105	MOUNTING SCREW	A-51815		
36	601.1083	O-RING	REV N/C		
35	601.1089	O-RING	AS568-5-179		
34	601.1087	O-RING	70 DURO NITRILE		
33	601.1086	O-RING	AS568A-904		
32	601.1092	O-RING	70 DURO NITRILE		
31	601.1090	O-RING	AS568A-902		
30	601.1088	O-RING	70 DURO NITRILE		
29	601.1084	O-RING	AS568A-906		
28	601.1085	O-RING	80 DURO EPDM		
27	601.1091	O-RING	AS568A-020		
26	600.0253	FUSIBLE PLUG FITTING	70 DURO NITRILE		
25	600.0266	FUSIBLE PLUG	AS568A-912		
24	600.0251	BLACK DECAL (5000)	70 DURO NITRILE		
23	600.0250	SAFETY DISC RETAINER	AS568A-904		
22	600.0289	FILL PISTON FITTING	90 DURO NITRILE		
21	600.0260	FILL BODY FITTING	AS568A-006		
20	600.0288	FILL PLUG FITTING	80 DURO EPDM		
19	600.0258	PRESSURE GAUGE	AS568A-020		
18	600.0262	TRIGGER BALL	70 DURO NITRILE		
17	600.0263	TRIGGER PISTON	AS568A-910		
16	600.0287	PULL CABLE	70 DURO NITRILE		
15	600.0254	PEEK SEAT	A-51091		
14	600.0259	PUNCTURE DISC	A-51057-S		
13	600.0290	BACKUP RINGS	REV A		
12	600.0255	SHUTTLE POPPET	A-51256		
11	600.0256	SHUTTLE POPPET SPRING	REV L		
10	600.0257	SHUTTLE POPPET RETAINER	A-51031		
9	600.0246	BAYONET	REV C		
8	600.0245	BAYONET SPRING	A-51153		
7	600.0244	BAYONET HOUSING	REV F		
6	600.0247	VALVE BODY	A-51151		
5	601.1928	TORQUE SEAL	REV D		
4	601.0771	ADAPTER	A-51152		
3	604.5210	WARNING TAG	REV E		
2	601.0826	PULL CABLE HOUSING	B-51051-6000		
1	600.0248	SAFETY DISC (5000)	REV C		
	20595-5	7/16" FLOW VALVE	A-51911		
	20595-3PHI	7/16" FLOW VALVE	REV A		
	20595-2PHI	7/16" FLOW VALVE	A-51810		
	20595-4	7/16" FLOW VALVE	REV N/C		
	20595-2	7/16" FLOW VALVE	A-51794-S		
	20595-1	7/16" FLOW VALVE	REV N/C		

QTY	FIND No.	PART No.	DESCRIPTION	MAT'L	SPEC
69	600.1044	KRYTOX 240 AZ		MIL PRF-27617	
68	600.0903	LOCTITE 222		TYPE 1	
67	634.9410	TRIGGER PISTON			
66	644.0610	SPRING BLADE			
65	601.2079	SCREW			
64	601.1549	O-RING	MS28775-011		
63	634.9310	PULL ROD			
62	634.9210	PULL ROD HOUSING			
61	601.2173	SAFETY PIN			
60	601.2095	VALVE P/N LABEL (20595-5PHI)			
59	600.0243	OUTLET FITTING	A-51812-S		
58	601.1927	ANTI SEIZE, COPPER	REV N/C		
57	601.1909	VALVE P/N LABEL (20595-3PHI)	MIL-A-907		
56	601.1908	VALVE P/N LABEL (20595-2PHI)			
55	601.1907	VALVE P/N LABEL (20595-4)			
54	601.1906	VALVE P/N LABEL (20595-2)			
53	601.1905	VALVE P/N LABEL (20595-1)			
52	600.0298	SHUTTLE POPPET ASSY	A-51819		
51	601.1672	OUTLET ORIFICE	REV N/C		
50	601.1124	FILL PLUG ADAPTER	A-51890-S		
49	601.0875	GAUGE ADAPTER	REV N/C		
48	600.0252	BLUE DECAL (3000)	A-51891-S		
47	600.0249	SAFETY DISC (3000; BLU)	REV A		
46	600.0294	DIFFUSER CAP -8	A-51256		
45	601.0779	PLUNGER	REV G		
44	600.0741	WASHER	A-51975		
43	600.0742	NUT	REV N/C		
	20595-5	VALVE ASSY			
	20595-3PHI	VALVE ASSY			
	20595-2PHI	VALVE ASSY			
	20595-4	VALVE ASSY			
	20595-2	VALVE ASSY			
	20595-1	VALVE ASSY			



20595-1

NOTES:


- △ VENDOR: MIRADA RESEARCH AND MANUFACTURING INC.
- △ LASER ENGRAVE IAW MPP-120.
- 3. APPLY LABELS F/N 38 TO VALVE BODY F/N 6 NEXT TO APPROPRIATE PORTS
- 4. APPLY F/N 24 OR F/N 48 TO F/N 23.
- △ APPLY ENOUGH TORQUE SEAL (F/N 5) AROUND BOLT HEAD SO THAT IT FLOWS COMPLETELY AROUND THE HEAD OF THE BOLT.
- △ APPLY F/N 58 TO PULL CABLE BALL, F/N 16, THE BALL SHOULD BE COMPLETELY COVERED WITH F/N 58
- △ ALTERNATE VENDOR: R&G PRECISION, APICAL P/N 20407-9.
- △ APPLY ENOUGH F/N 58 TO FLOW COMPLETELY AROUND TIP OF ROD F/N 63 PRIOR TO ARMING VALVE.
- △ APPLY ENOUGH F/N 68 TO FLOW COMPLETELY AROUND THREADS.
- △ TORQUE ACCORDING TO TORQUE TABLE ON SHEET 5.

QTY	FIND No.	PART No.	DESCRIPTION	MAT'L	SPEC
NEXT ASSY (S)					
ORIGINAL DATE 07-18-98					
DRAWN BY E. BEGNAUD					
CHECKED BY D. H.					
DRAWING APPROVAL D. H. 07-18-98					
CONTRACT No.					
UNLESS OTHERWISE SPECIFIED					
DIMENSIONS ARE IN INCHES					
TOLERANCES ARE AS SHOWN					
PLACE DIMENSIONS IN INCHES					
SCALE NONE					
SHEET 1 OF 5					

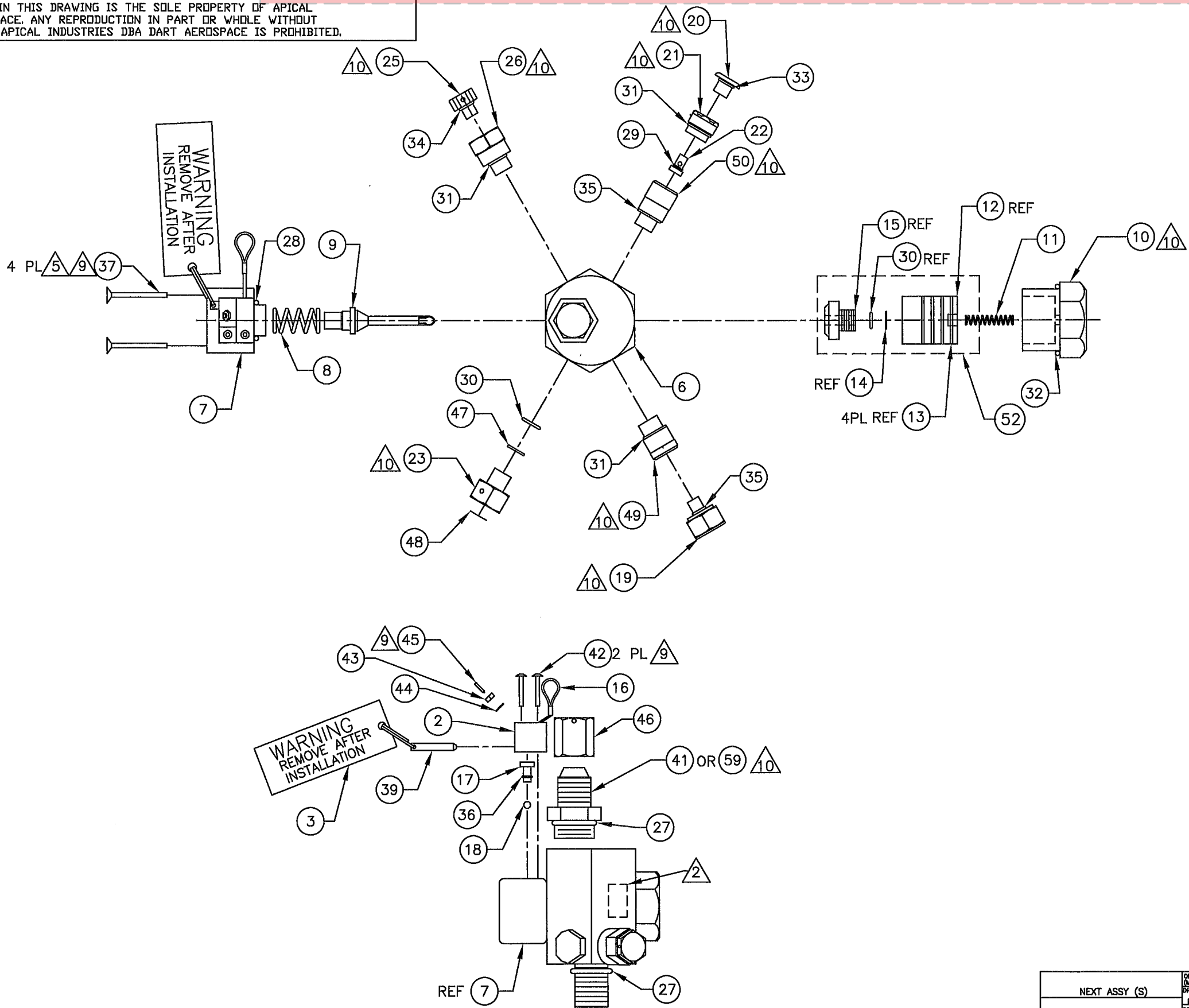
7/16" FLOW VALVE

20595

[illegible]

NEXT ASSY (S)	ORIGINAL DATE (MO-DA-YR) 07-16-88	 3030 ENTERPRISE CT., SUITE A VISTA, CA 92081 (760)-724-3300
	DRAWN BY CHECKER	
	E. BERNAUD	
	DRAWING APPROVAL	
	CONTRACT NO.	7/16" FLOW VALVE
	(CHECK OTHERS WHEN SPECIFIED) DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1. FRACTIONS .005 2. DECIMALS .03 3. HOLE DIA. .010 4. ANGLES .5°	SIZE GAGE CODE DWG. No. B 07M28 20595
	SCALE NONE	E SHEET 2 OF 5

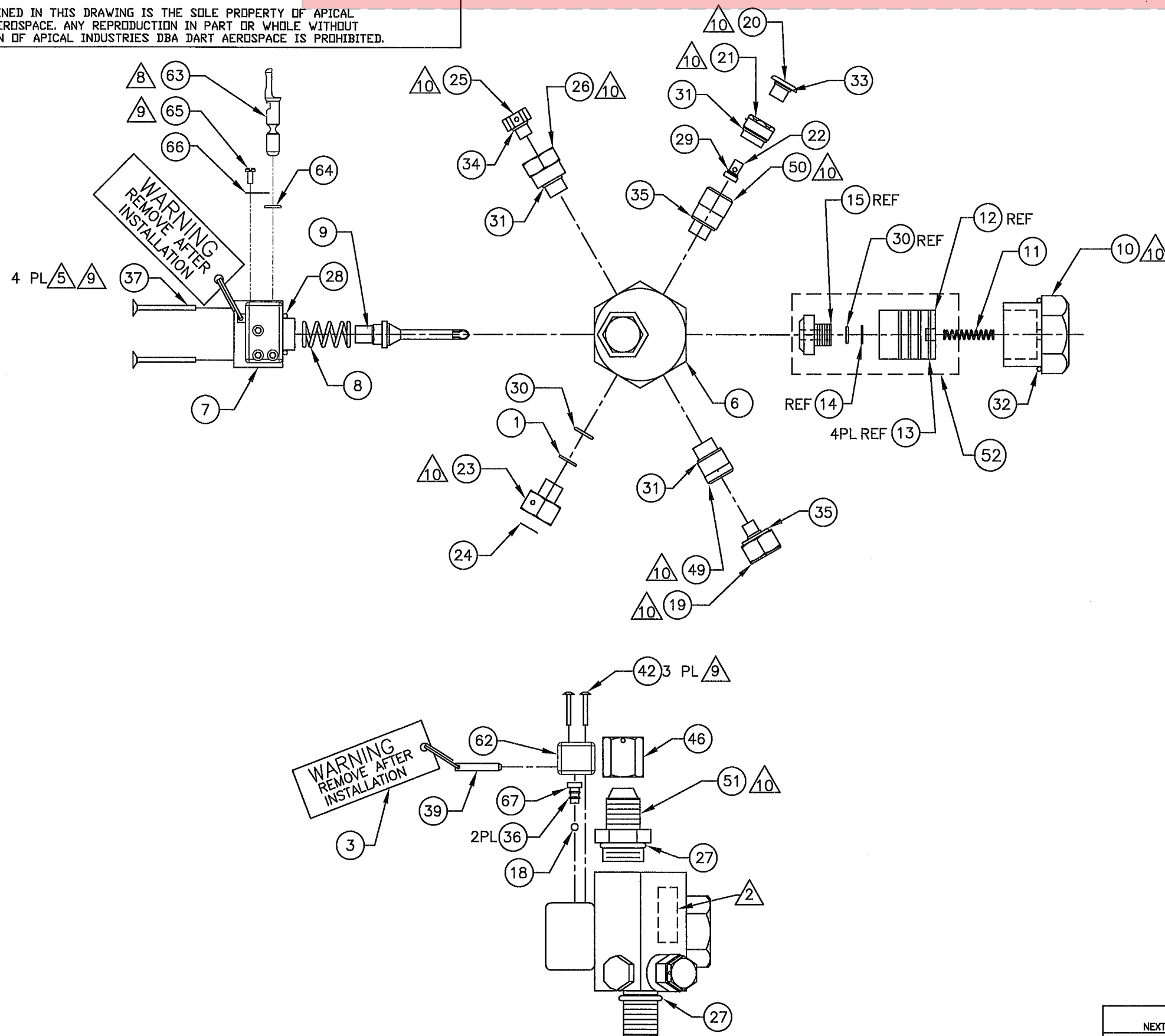
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



20595-4  
20595-5

NEXT ASSY (S)	ORIGINAL DATE (MM-DD-YY)	07-16-98
	DRAWN BY	E. REGNAUD
	CHECKER	
	DRAWING APPROVAL	
CONTRACT No.		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES 3 PLACES 2 PLACES 1 PLACE 0.010 0.005 0.002 0.001		
DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA 92081 (760)-754-5300		
7/16" FLOW VALVE		
SIZE	CAVE CODE	DWG. No.
B	07M25	20595
SCALE	NONE	SHEET 3 OF 5

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

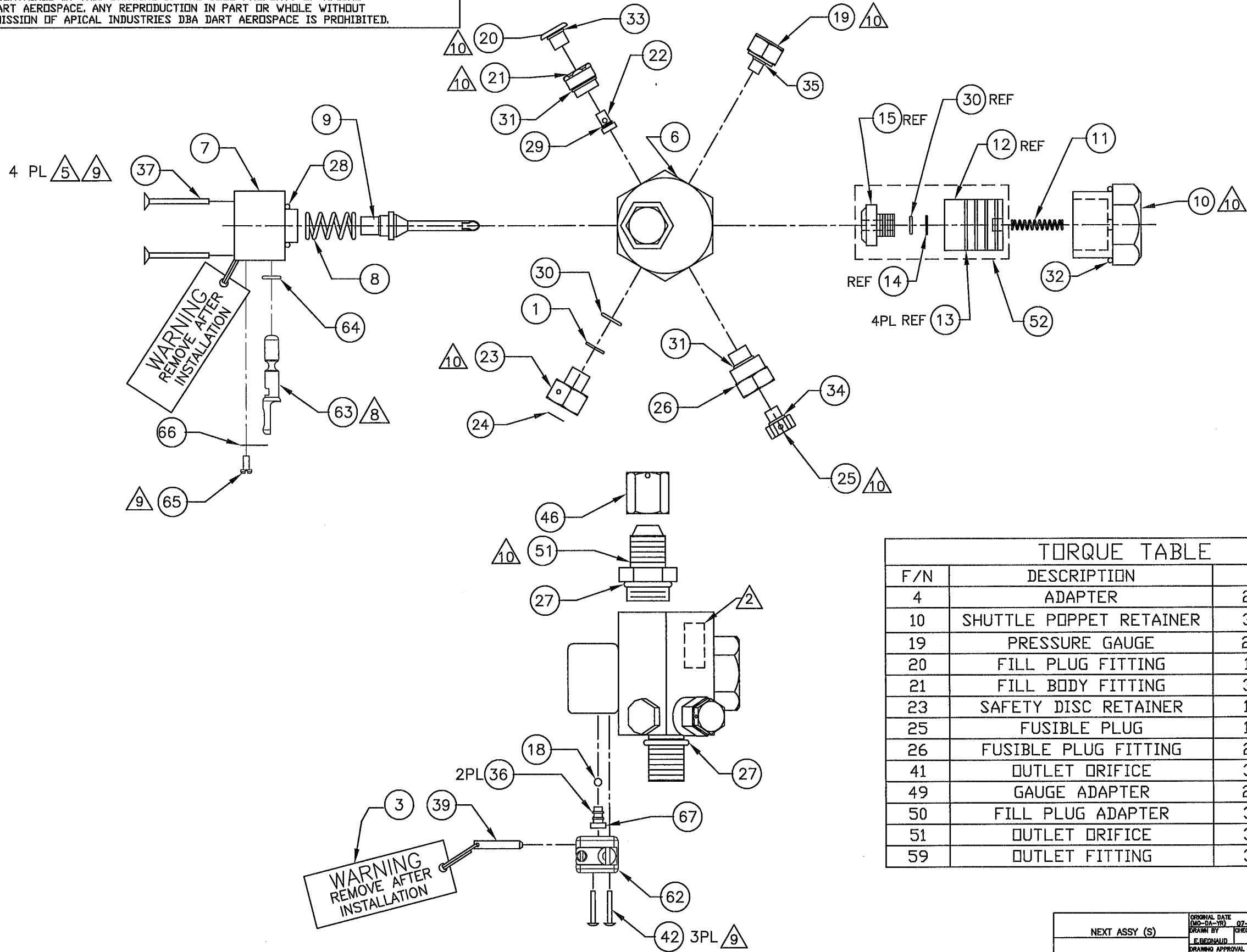


20595-2PHI

NEXT ASSY (S)	ORIGINAL DATE (MO-DA-YR) 07-16-98	<b>DART AEROSPACE</b> 3030 ENTERPRISE CT. SUITE A VISTA, CA 92081 (760)-724-5300
	DRAWN BY F. BEGNAUD	
	CHECKED BY	
	DRAWING APPROVAL	
CONTRACT No.		7/16" FLOW VALVE SIZE B CASE CODE 07MZ8 DWG. No. 20595 SCALE NONE SHEET 4 OF 5
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS FRACTIONS DECIMALS		
FRACTIONS DECIMALS		
FRACTIONS DECIMALS		



THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



TORQUE TABLE		
F/N	DESCRIPTION	VALUE
4	ADAPTER	20 FT-LBS
10	SHUTTLE POPPET RETAINER	30 FT-LBS
19	PRESSURE GAUGE	25 FT-LBS
20	FILL PLUG FITTING	10 FT-LBS
21	FILL BODY FITTING	30 FT-LBS
23	SAFETY DISC RETAINER	15 FT-LBS
25	FUSIBLE PLUG	15 FT-LBS
26	FUSIBLE PLUG FITTING	20 FT-LBS
41	OUTLET DRIFICE	30 FT-LBS
49	GAUGE ADAPTER	25 FT-LBS
50	FILL PLUG ADAPTER	30 FT-LBS
51	OUTLET DRIFICE	30 FT-LBS
59	OUTLET FITTING	30 FT-LBS

20595-3PHI

NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR) 07-16-98	<b>DART</b> AEROSPACE APICAL INDUSTRIES, INC. DBA DART AEROSPACE 3000 ENTERPRISE CT., SUITE A VISTA, CA 92081 (714)-724-5300
		DRAWN BY E. BEGNAUD	
		CHECKER	
		DRAWING APPROVAL	
		CONTRACT No.	7/16" FLOW VALVE
		OTHER SPECIFICATIONS SPECIFICATIONS ARE IN PARENTS TOLERANCES ARE AS SHOWN UNLESS OTHERWISE SPECIFIED 8 PLACE DECIMALS 3 PLACE DECIMALS 2 PLACE DECIMALS 1 PLACE DECIMALS WHOLE	
		SIZE   GAGE CODE   DWG. No.	
		B   07M26   20595	
		SCALE NONE	SHEET 5 OF 5